INTERNATIONAL SEARCH REPORT

international application No.

PCT/US05/25658

A. CLAS	SIFICATION OF SUBJECT MATTER B21F 25/00(2006.01); E04H 17/04(2006.01)				
USPC: 256/5,2,8,33,7;29/7.1,7.2,7.3;72/184,185,186,187,10.1,190 According to International Patent Cinestification (IPC) or to both mational classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 256/5,2,8,33,7;29/7-1,7.2,7.3;72/184,185,186,187,10.1,190					
Documentation searched other than uninimum documentation to the extent that such documents are included in the fields gearched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOC	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	moneiste, of the relevant navourse	Relevant to claim No.		
X	US 5,139,234 (Cochrane)18 August 1992 (18.08,199		1-10 and 19-24		
Y	US 5,109,583 A (Pavlov) 5 May 1992 (5.5.1992), en	tire document,	2 5-7 4		
X/Y US 3,155,374 A (Sieffert) 3 November 1964 (3.11.19		64), entire document.	90-102, 118-121 and 123-125/122		
×	US D429,342 (Binns) 8 August 2000 (8.8.2000), emi	re document.	123-123/122 103, 126-128/104-108 and 129108, and 129		
Y,P	US 2003/0099523 (Pessach et al.) 29 May 2003 (29.5	i-2003), entire document.	104-108 and 129		
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	documents are listed in the continuation of Box C.	See patent family annex.			
Special entegeries of cited documents: Inter-document published after the international filing date or priori- date and put its conflict with the application but evided to understand principle or timery underlying the invention			edi brusterebuu as besse tud molu		
-	application or papers published on or after the distinct involutional of particular relations of the company of				
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	, treferring to in crul disclosure, use, exhibition or other mems	peing opvious to a betton etypic nich compined with one or more appar such	documents, such combination		
upo decument published prior to the interputional filing date but later than the "&" document prior ty date dalphed		"&" doctimat member of the same patent i	bon ily		
Date of the actual completion of the international search Date of mailing of the international search report					
02 August 2006 (02,08,2006)		1 6 JAN 2007			
Name and ma	iling address of the ISA/US	Authorized offices	<u> </u>		
Mail Sup PCT, Arm ISA/US Commissioner for Patents		Mahid Amin	~		
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571-272-8119			
Facsimile No. (571) 273-3201					
Form PCI/ISA/210 (second sheet) (April 2005)					

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	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	
3.		Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows: See USPTO/299 "Chapter 1 PCT Telphone Memorandum For Lack Of Unity Of Invention."			
1. 2. 3.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report	
4.	\boxtimes	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-10, 19-108, and 118-129.	
Rem	ark on P		
		The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.	
		No protest accompanied the payment of additional search fees.	

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)